

FEB 06 2007

Atty. Dkt. No. 039153-0694 (H1725)

REMARKS

Applicant respectfully requests reconsideration of the present application in view of the foregoing amendments and in view of the reasons that follow.

No claims are requested to be cancelled.

Claim 1 is currently being amended. No new matter is added.

No claims are being added.

This amendment changes claims in this application. A detailed listing of all claims that are, or were, in the application, irrespective of whether the claim(s) remain under examination in the application, is presented, with an appropriate defined status identifier.

After amending the claims as set forth above, claims 1-16 and 21-24 remain pending in this application.

On pages 2-3 of the Office Action, claims 1-5 are rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 6,482,715 (Park). The Examiner states:

Regarding claim 1, Park discloses a method of manufacturing an integrated circuit . . . the method comprising . . .

Forming first type liners (108, Figs. 3E-G) on first side walls of the trenches associated with first type regions of the substrate (Cols. 4-5); and

Forming second type liners (comprising 108, 110, 112, Figs. 3E-G) on second side walls of the trenches associated with second type regions (Cols. 4-5).

Applicant respectfully traverses the rejection.

On pages 3-4 of the Office Action, claims 6-8 are rejected under 35 U.S.C. § 103 as being unpatentable over Park in view of U.S. Patent No. 6,737,706 (Lee). The Examiner states:

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Regarding claims 6-7, Park discloses the method of claim 1 as mentioned above, however, Park does not explicitly disclose wherein the substrate is on an SOI substrate . . . Lee discloses that it is known in the art to form trench isolation features (41) on SOI substrates (30) wherein the trenches reach the buried insulative layer (15) (Fig. 1 and Col. 1).

Applicant traverses the rejection.

On page 5 of the Office Action, the Examiner does not find the arguments persuasive. The Examiner states:

. . . Park clearly discloses two types of liners (see Fig. 3G) that separates insulative material 116 from substrate 100. . . The second type of liner formed in region A1, Fig. 3G, consists of layers 108, 110 and 112, Fig. 3G.

Applicant respectfully traverses the Examiner's statement.

To advance prosecution, Applicant has amended claim 1 to recite that the first and second type liners are directly disposed on the first and second sidewalls respectively. Accordingly, claim 1 explicitly recites a structure which is very different from Park. As the Examiner admits, Park utilizes the same first liner next to the trench sidewall. In contrast, two different types of liners are next to the sidewall as recited in claim 1. Lee does not provide for the deficiencies of Park. Accordingly, withdrawal of the rejection of claim 1 and its dependant claims 2-8 is respectfully requested because Park does not disclose or suggest each and every element in claim 1.

Applicant believes that the present application is now in condition for allowance. Favorable reconsideration of the application as amended is respectfully requested.

The Examiner is invited to contact the undersigned by telephone if it is felt that a telephone interview would advance the prosecution of the present application.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to

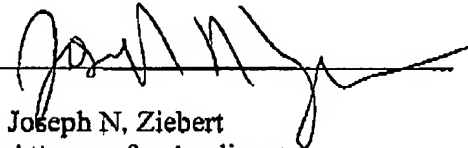
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Deposit Account No. 06-1447. Should no proper payment be enclosed herewith, as by a check or credit card payment form being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 06-1447. If any extensions of time are needed for timely acceptance of papers submitted herewith, Applicant hereby petitions for such extension under 37 C.F.R. §1.136 and authorizes payment of any such extensions fees to Deposit Account No. 06-1447.

Respectfully submitted,

Date 2-6-2007

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